Contents

- Adams, M. R., Harnad, J., Hurtubise, J.: Darboux Coordinates and Liouville-Arnold Integration in Loop Algebras 385
- Bach, V.: Accuracy of Mean Field Approximations for Atoms and Molecules 295
 Buchholz, D., Doplicher, S., Longo, R.,

Roberts, J. E.: Extensions of Automorphisms and Gauge Symmetries 123

Buchholz, D., Summers, S. J.: An Algebraic Characterization of Vacuum States in Minkowski Space 449

- Carlen, E. A., Lieb, E. H.: Optimal Hypercontractivity for Fermi Fields and Related Non-Commutative Integration Inequalities 27
- Chamseddine, A. H., Felder, G., Fröhlich, J.: Gravity in Non-Commutative Geometry 205 Connes, A., Flato, M., Hironaka, H., Jaffe, A., Jones, V.: Editorial 1

Connes, A., Moscovici, H.: Transgression and the Chern Character of Finite-Dimensional K-Cycles 103

- Date, E., Jimbo, M., Okado, M.: Crystal Base and q-Vertex Operators 47
 Doplicher, S. → Buchholz, D. 123
- Elliott, G. A., Rørdam, M.: The Automorphism Group of the Irrational Rotation C*-Algebra 3
- Federbush, P.: Navier and Stokes Meet the Wavelet 219
- Felder, G. → Chamseddine, A. H. 205
 Ferrari, A. B.: On the Blow-up of Solutions of the 3-D Euler Equations in a Bounded Domain 277

Flato, M. → Connes, A. 1 Fröhlich, J. → Chamseddine, A. H. 205 Fröhlich, J. → Gabbiani, F. 569

Gabbiani, F., Fröhlich, J.: Operator Algebras and Conformal Field Theory 569

- Haag, R.: Local Quantum Physics and Models 199
- Harnad, J. → Adams, M. R. 385

Hironaka, H. → Connes, A.

Hoppe, J., Olshanetsky, M., Theisen, S.: Dynamical Systems on Quantum Tori Lie Algebras 429

Hurtubise, J. → Adams, M. R. 385

- Ito, K. R.: Random Walk Representations and the Mayer Expansion in the N-Vector Model 143
- Izumi, M.: Subalgebras of Infinite C*-Algebras with Finite Watatani Indices. I. Cuntz Algebras 157
- Jacobson, T., Romano, J. D.: The Spin Holonomy Group in General Relativity 261 Jaffe, A. → Connes, A. 1

Jaffe, A., Lesniewski, A., Osterwalder, K.: Stability for a Class of Bilocal Hamiltonians 183

Jiang, Y.: Asymptotic Differentiable Structure on Cantor Set 503

Jimbo, M. → Date, E. 47 Jones, V. → Connes, A. 1

Kastler, D., Testard, D.: Quantum Forms of Tensor Products 135

Konno, H.: On the Natural Line Bundle on the Moduli Space of Stable Parabolic Bundles 311

- Lesniewski, A. → Jaffe, A. 183 Lieb, E. H. → Carlen, E. A. 27 Longo, R. → Buchholz, D. 123
- Magnen, J., Rivasseau, V., Sénéor, R.: Construction of YM₄ with an Infrared Cutoff 325
- Moscovici, H. → Connes, A. 103 Murakami, J.: The Yamada Polynomial of Spacial Graphs and Knit Algebras 511

Nelson, J. E., Regge, T.: Invariants of 2+1 Gravity 561

Okado, M. → Date, E. 47 Olla, S., Varadhan, S. R. S., Yau, H. T.: Hydrodynamical Limit for a Hamiltonian System with Weak Noise 523 Olshanetsky, M. → Hoppe, J. 429 Osterwalder, K. → Jaffe, A. 183

Popa, S., Takesaki, M.: The Topological Structure of the Unitary and Automorphism Groups of a Factor 93

Raikov, G. D.: Strong-Electric-Field Eigenvalue Asymptotics for the Perturbed Magnetic Schrödinger Operator 415 Regge, T. → Nelson, J. E. 561 Rivasseau, V. → Magnen, J. 325 Roberts, J. E. → Buchholz, D. 123 Rørdam, M. → Elliott, G. A. 3 Romano, J. D. → Jacobson, T. 261 Schwarz, A.: Geometry of Batalin-Vilkovisky Quantization 249 Sénéor, R. → Magnen, J. 325 Smirnov, F. A.: Form Factors, Deformed Knizhnik-Zamolodchikov Equations and Finite-Gap Integration 459 Summers, S. J. → Buchholz, D. 449

Takesaki, M. → Popa, S. 93 Testard, D. → Kastler, D. 135 Theisen, S. → Hoppe, J. 429

Varadhan, S. R. S. → Olla, S. 523 Voiculescu, D.: The Analogues of Entropy and of Fisher's Information Measure in Free Probability Theory, I 71

Yau, H. T. → Olla, S. 523

Zelenov, E. I.: p-Adic Heisenberg Group and Maslov Index 489

Indexed in Current Contents
Evaluated and abstracted for PHYS on STN

